RR Mechatronics	
Work instruction Number 208	
Page 1 of 1	Purpose: Sample probe or outer needle replacement
Safety: Bio Hazard area	
Instrument: Interrliner	Revision: 002, January 2019

Lift the robotic protection hood.

Needle exchange:



- 1. Unscrew sample probe manually.
- 2. Mark each tube for easier reconnecting to the correct nipple.
- 3. Disconnect the tubes from the outer needle.
- 4. Pull the sample probe, complete with outer needle, towards the front edge of the ESR analyser unit. The outer needle must be supported to protect it from falling.
- 5. Slide the new sample probe into the (new) outer needle.
- 6. Make sure the Sample probe has a (new) O-ring QWLV050003.
- 7. Install (new) sample probe ESRI050909 together with the (new) outer needle ESRI050950.
- 8. Tighten the sample probe. Do not over-tighten the sample probe in the mixing-piece or it will crack or strip the threading inside the block.
- 9. Replace the correct tubes on the outer needle.
- 10. Close the robotic protection hood.

